

Amendment to Specification

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Paragraph [0115] on page 9 has been replaced with the following paragraph:

SM
2/6/07
[0115] The PSK modulators of transmitter 1621 output a respective PSK modulated pulse stream or channel, which are accepted by a wavelength combiner, which is preferably a wavelength division multiplexer 1631, to thereby prepare a DWDM optical signal. The DWDM optical signal output by transmitter 1621 is accepted by an optical fiber 1632, which is preferably a fiber of a fiber optic network for transmission of the DWDM signal to a remote receiver. The bit-error-rate of the DWDM signals at the remote receiver are monitored 1696, for example, via a bit-error-rate detector. The dc bias voltages 1690-1692 and clock drive voltages 1693-1695 to the pulse modulators 1625 are selected to minimize the bit-error-rate 1697 of the DWDM signals monitored at the remote receiver 1696 after the transmission fiber 1632.

The following technical support for the last sentences can be found in specifications (no new matter added):

The bias of the pulse modulator can be selected, for example, using an adjustable dc voltage source applied to the pulse modulator while monitoring the Q-factor (see vertical axis of Fig. 30 and description of Q-factor in [0223]) or bit-error-rate (see [0213] and vertical axis of Figs. 26 and 27) of the received optical signal. Similarly, the drive voltage of the pulse modulator can be selected, for example, using a clock driver electronic amplifier with an adjustable gain applied to the pulse modulator while monitoring the Q-factor (see vertical axis of Fig. 30 and description of Q-factor in [0223]) or bit-error-rate (see [0213] and vertical axis of Figs. 26 and 27) of the received optical signal.